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United States, shall be deemed most worthy of such honor. The Barnard medal was first awarded at the commencement of 1895, to Lord Rayleigh, and to Professor (now Sir) William Ramsay. At the commencement of 1900 the Barnard medal was awarded to Professor Wilhelm Conrad von Röntgen. On the nomination of the National Academy of Sciences, the award for 1905 is made to Henri Becquerel, member of the Institute of France, for important discoveries in the field of radio-activity, and for his original discovery of the so-called dark rays from uranium, which discovery has been the basis of subsequent research into the laws of radio-activity, and of our present knowledge of the same."

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*THE AMERICAN ANTHROPOLOGICAL  
ASSOCIATION.*

THE American Anthropological Association will meet in San Francisco, California, August 29-31. It is planned to combine the meeting with an excursion by the association to the Lewis and Clark Centennial Exposition at Portland. Arrangements will be made facilitating the visit by members of the association to educational and other points of interest on the Pacific Coast. This will be the first meeting of the association, or of any body of national scope devoted to anthropology, held on the Pacific Coast, and a large attendance from the western states is expected. Professor F. W. Putnam will preside.

Titles of papers and applications for membership should be sent to Dr. A. L. Kroeber, secretary of the committee on arrangements, Affiliated Colleges, San Francisco, or to Dr. George G. MacCurdy, secretary of the association, Yale University, New Haven, Conn. The headquarters of the association will be the Museum of the Department of Anthropology of the University of California, Affiliated Colleges, San Francisco. Further information in regard to special railway rates and other arrangements connected with the meeting may be obtained from Dr. MacCurdy.

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*SCIENTIFIC NOTES AND NEWS.*

PRINCETON UNIVERSITY has conferred the degree of Doctor of Laws on Professor Charles

Augustus Young, who has this year become professor emeritus of astronomy, after holding the chair at Princeton since 1877.

COLUMBIA UNIVERSITY has conferred the degree of Doctor of Science on Dr. R. S. Woodward, who has resigned the chair of mechanics and mathematical physics to accept the presidency of the Carnegie Institution.

OXFORD UNIVERSITY will on June 28 confer its Doctorate of Science on George H. Darwin, F.R.S., professor of astronomy at Cambridge.

THE University of Manchester has conferred the honorary degree of LL.D. on Dr. Nicholas Murray Butler, president of Columbia University.

SYRACUSE UNIVERSITY has awarded the degree of LL.D. to Professor David Eugene Smith, who holds the chair of mathematics at Teachers College, Columbia University.

THE University of Colorado has conferred the degree of Doctor of Laws upon Dr. Richard W. Corwin, chief surgeon of the Colorado Fuel and Iron Co.

COLUMBIA UNIVERSITY has conferred the degree of M.S. on George Francis Sever, professor of electrical engineering in the university, and on Frederick A. Goetze, superintendent of buildings and grounds.

MR. W. T. BRIGHAM, director of the British Museum of Ethnology at Honolulu, has been given the degree of Doctor of Science by Columbia University. He was presented by Dr. H. C. Bumpus, director of the American Museum of Natural History.

PROFESSOR H. A. LORENTZ, of Leiden, has been elected a corresponding member of the Berlin Academy of Sciences.

AT the commencement exercises of the University of Pennsylvania a portrait of Dr. William Osler was presented by Professor Howard M. Fussell, on behalf of the classes from '85 to '91, who studied under Dr. Osler when he occupied the chair of clinical medicine at the university.

THE Glasgow University Club of London held its annual dinner on May 26, when Sir William Ramsay presided. Lord Kelvin was

elected president of the club for the ensuing year.

AT the annual meeting of the Iron and Steel Institute held in London, May 11, a Carnegie research scholarship of \$500 was awarded to Henry Cook Boynton, instructor in metallurgy and metallography in Harvard University.

MR. C. D. HOWARD, associate chemist of the West Virginia Agricultural Station, has been appointed chemist to the New Hampshire Board of Health, Concord, N. H.

DR. AUGUST HOCH, at present assistant physician and pathologist at McLean Hospital, Waverly, Mass., will assume the position of first assistant physician at Bloomingdale Asylum, White Plains, N. Y., where he will continue his researches in psycho-pathology.

DR. W. B. SCOTT, professor of geology and paleontology at Princeton University, gave the oration at a joint meeting of Phi Beta Kappa and Sigma Xi societies at the University of Pennsylvania, on June 14.

DR. A. S. WHEELER, associate professor of organic chemistry in the University of North Carolina, will give a course of lectures on organic chemistry at the Harvard University summer school.

IN commemoration of Audubon's one hundred and twenty-fifth birthday, the American Museum of Natural History has placed on exhibition a collection of Audubon relics. Among the objects is the portfolio in which Audubon carried specimen plates while securing subscribers to his great work in this country and abroad, together with sketches and finished plates.

A SECOND International Congress devoted to the Rontgen rays will be held in Amsterdam in 1908.

*The British Medical Journal* states that the Laryngological Society of Vienna is about to take steps to organize a festal celebration to be held in 1908 in honor of the jubilee of medical, as distinguished from physiological laryngoscopy. It was in 1858 that Professor Turk showed the far-reaching applications in the domain of medical practice of Manuel Garcia's great discovery. It is hoped that all

the leading representatives of laryngology throughout the world will be present on the occasion.

*The Scottish Geographical Magazine* states that an expedition has recently started with the object of thoroughly investigating the oceanography and biology of the region between India and Madagascar. The vessel employed is H.M.S. *Skylark*, under the command of Captain Boyd Somerville, who is accompanied by two civilian men of science, Mr. Stanley Gardiner and Mr. Forster Cooper, both of whom have already been engaged in scientific work in the area under investigation. The *Skylark* is to go first to the Chagos Archipelago, then to Mauritius, which it is expected will be reached about August 1. The voyage will then be continued *via* the Cargados reef to the Seychelles, whence the return will be made to Colombo, the starting-point. Messrs. Gardiner and Cooper are to be left at the Seychelles, where they hope to spend some months in scientific work, returning home in January, 1906.

It is stated in *Nature* that at the forty-second general meeting of the Institution of Mining Engineers, held in London on June 2 and 3, several interesting papers were read. Mr. T. Y. Greener dealt with the firing of boilers by waste heat from coke ovens. Mr. M. R. Kirby described the compound winding engine at Lumpsey iron mine. Its steam consumption is only 38 pounds to 40 pounds per indicated horse-power hour. Mr. F. Hird gave the results of tests of the electric winding engine at Friedrichshall, and Mr. E. Lozé described electric winding engines installed at French collieries. Mining education in the United States was discussed by Professor H. Eckfeldt, and in New Zealand by Professor J. Park. Coal mining in India was dealt with by Mr. T. Adamson. Mr. J. Jeffries described the occurrence of underground fires at the Greta colliery, New South Wales. Mr. W. C. Blackett and Mr. R. G. Ware described a striking innovation in mining practise, the use of electrically driven mechanical conveyors for filling at the coal-face. Two years' experience has shown a saving of 48 per cent. over the ordinary pick and shovel method.

Lastly, Mr. A. R. Sawyer gave an account of the geology of Chunies Poort, Zoutpansberg, Transvaal. Incidentally, he mentioned some old copper workings where native copper occurs in some abundance in dolomite.

THE Naturwissenschaftliche Verein at Karlsruhe has, thanks to a considerable legacy, been placed in a position to establish two new stations for seismic observations, the one in an underground passage at Turinberg, near Durlach, the other in Freiburg.

THE London *Times* states that a large company assembled in the Oxford University Museum on May 31 at the annual *conver-sazione* of the Junior Scientific Club. An attractive program had been arranged. Professor E. B. Poulton, F.R.S., delivered a lecture on 'Some Recent Work on Protective Resemblance and Mimicry in Insects,' and Dr. A. E. Tutton displayed some of his latest lantern slides of Alpine scenery. There were demonstrations of the properties of radium and spinning tops, experiments on color, and an exhibition of thermit and high temperatures; which included the making of artificial diamonds. Messrs. Zeiss exhibited their instrument for seeing ultra-microscopic particles, and there was a working installation of wireless telegraphy. The Pitt-Rivers Museum was thrown open, and music was provided by the band of the Grenadier Guards.

*Nature* says that under the name of the 'Potentia Organization,' an international association has been formed with the object of establishing among nations a mutual relationship and cooperation for the diffusion of accurate information and unbiased opinion concerning international events and movements, and to combat narrow, prejudiced, and often interested views and news that contribute so much to international mistrust and misunderstanding. It is proposed to publish throughout the world, through the medium of newspapers and reviews, statements of simple fact and expressions of opinion by eminent public men of all nations on all important political, social, philosophical, economic, scientific and artistic questions, to present the sincere views of experts on all current international events,

and to refute false or biased news and views calculated to spread error and to endanger the peace and progress of the world.

#### UNIVERSITY AND EDUCATIONAL NEWS.

AT the commencement of Princeton University it was announced that an annual income of \$100,000 had been guaranteed for the preceptorial system, that \$300,000 had been given for a recitation hall and that 336 acres of land had been added to the property of the university.

MR. MORRIS L. CLOTHIER, of Philadelphia, has given \$50,000 to Swarthmore College, to endow a professorship of physics.

THE library building of Vassar College, erected by Mrs. F. F. Thompson, of New York, at a cost of \$500,000 was dedicated last week.

DR. A. W. HARRIS, director of the Jacob Tome Institute, and previously director of the Office of Experiment Stations of the Department of Agriculture, has been elected president of Northwestern University.

MR. HENRY S. DRINKER, general solicitor of the Lehigh Valley Railroad, has been elected president of Lehigh University, to succeed the late Dr. Thomas Messinger Drown.

DR. CHARLES HENRY SMYTH, professor of geology at Hamilton College, has been elected professor of geology at Princeton University.

DR. NICHOLAS SENN has been elected professor of surgery and Dr. Frank Billings professor of medicine at the University of Chicago.

DR. H. K. WOLFE, formerly professor of philosophy at the University of Nebraska and recently principal of the Lincoln High School, has been elected professor of philosophy and education at the University of Montana.

MR. W. L. HALL, of the U. S. Bureau of Forestry, has been appointed lecturer on tree planting at Yale University.

IVAN E. WALLIN, B.S. (University of Iowa, '05), has been elected professor of natural history in Upsala College, New Orange, N. J. He has been specializing in the biological sciences at Augustana, Princeton and Iowa during the last three years.